



NIH Management Dashboard Overview

eRA Project Management Briefing

November 25, 2003

National Institutes of Health (NIH)
Department of Health and Human Services (DHHS)

Objectives

- ▶ Provide an overview of the NIH Management Dashboard project and the current measures
- ▶ Demonstrate the Dashboard Look and Feel
- ▶ Next Steps

What is a Management Dashboard?

- ▶ A Dashboard provides “gauges” to assess scientific, financial, and administrative performance supporting management-level decisions
- ▶ The NIH Management Dashboard is intended to provide
 - Overview of critical managerial process indicators
 - Access to underlying data in multiple systems
 - View of NIH-wide information



Dashboards Provide Integrated Information for Decision Support

Who requested the NIH Management Dashboard?

- ▶ Dr. Zerhouni suggested developing a NIH Management Dashboard based on his prior experience at Johns Hopkins University
- ▶ A working group of Executive Officers (EOs) responded by drafting a series of “High-value/Low-effort” measures, which are useful indicators that could be implemented in a short time frame
- ▶ Dr. Zerhouni suggested measurement categories focusing on:
 - Extramural
 - Intramural (including Clinical Research)
 - Human Capital
 - Financial
 - Training
 - Enterprise (Central Services and Enterprise IT Projects)

Working group contributors*

- ▶ Charles Best, NIBIB
- ▶ Gahan Breithaupt, NINDS
- ▶ Donald Christoferson, NHLBI
- ▶ John Czajkowski, OD
- ▶ Richard Drury, OD
- ▶ Janet Dudrick, OD
- ▶ William Fitzsimmons, NIMH
- ▶ Deborah Gardner, CC
- ▶ Maureen Gormley, CC/OD
- ▶ Thomas Hooven, NICHD
- ▶ Camille Hoover, NCCAM
- ▶ Mitchell Levine, CIT
- ▶ Linda McCleaf, OD
- ▶ Martha Pine, NIGMS
- ▶ Laura Rosenthal, NIDA
- ▶ Anne Scanley, OD
- ▶ Thomas Williams, NCMHD
- ▶ Leonard Taylor, OD/ORF
- ▶ Working group staff
 - Heather Nicholas, NICHD
 - David Songco, NICHD
 - Booz Allen Hamilton
 - Woodbourne Solutions

* Names in alphabetical order

Which subject matter experts have we met with to date?

Cross-Cutting

- ▶ Dr. Elias Zerhouni, Director, NIH
- ▶ Dr. Raynard Kington, Deputy Director, NIH
- ▶ Mr. Charles Leasure, Deputy Director for Management, OD
- ▶ Ms. Janet Dudrick, Special Assistant to the Deputy Director for Management, OD
- ▶ Dr. Lana Skirboll, NIH Director of Science Policy
- ▶ Dr. Deborah Duran, Office of Science Policy
- ▶ Ms. Robin Kawazoe, Office of Science Policy
- ▶ Ms. Anne Scanley, Office of Science Policy
- ▶ Mr. Karl Maxwell, Office of Science Policy

Intramural

- ▶ Dr. Michael Gottesman, Deputy Director for Intramural Research
- ▶ Dr. Joan Schwartz, Assistant Director, Office of Intramural Research
- ▶ Dr. Philip S Chen Jr., Senior Advisor to the Deputy Director
- ▶ Dr. Arlyn Garcia-Perez, Assistant Director, Office of Intramural Research
- ▶ Ms. Olive P Childers, Management Liaison Director, Office of Intramural Research
- ▶ Dr. Dale Graham, Project Leader of the NIH Intramural Database

Extramural

- ▶ Dr. Norka Ruiz-Bravo, Deputy Director for Extramural Research
- ▶ Dr. Walter Schaffer, Acting Director for the Office of Extramural Program
- ▶ Mr. Joe Ellis, Chief Grants Management Officer

Financial

- ▶ Mr. Richard Turman, Associate Director for Budget, OD
- ▶ Ms. Lee Pushkin, Assistant Director for Budget, OD
- ▶ Mr. Donald Popke, Acting Associate Director for Budget, NIH

Enterprise

- ▶ Mr. Leonard Taylor, Jr., Acting Director, Office of Research Facilities Development and Operations, OD

Human Capital

- ▶ Mr. Robert Hosenfeld, Director, Office of Human Resources & staff

Subject matter experts... (continued)

NICHD

- ▶ Dr. Yvonne Maddox, Deputy Director
- ▶ Dr. Susan Streufert, Director, Office of Extramural Policy
- ▶ Dr. Owen Rennert, Director, Intramural Research
- ▶ Dr. Steve Kaler, Clinical Director
- ▶ Mr. Art Fried, Budget Officer
- ▶ Dr. Steven Klein, NICHD Representative to NIH Training Advisory Committee

NIAMS

- ▶ Dr. Stephen Katz, Director
- ▶ Dr. Steven Hausman, Deputy Director
- ▶ Dr. Cheryl Kitt, Director, Extramural Program
- ▶ Ms. Anita Linde, Senior Program Analyst
- ▶ Ms. Sheryl Meltzer, Secretary to the Director
- ▶ Dr. Peter Lipsky, Scientific Director, Intramural Research Program

Clinical Center

- ▶ Dr. John Gallin, Director
- ▶ Ms. Maureen Gormely, COO
- ▶ Ms. Lisa Lacasse, CFO
- ▶ Ms. Laura Lee, Special Assistant, Dep. Dir. Clinical Care
- ▶ Ms. Deborah Gardner, Chief, Planning & Org. Development Officer

NHLBI

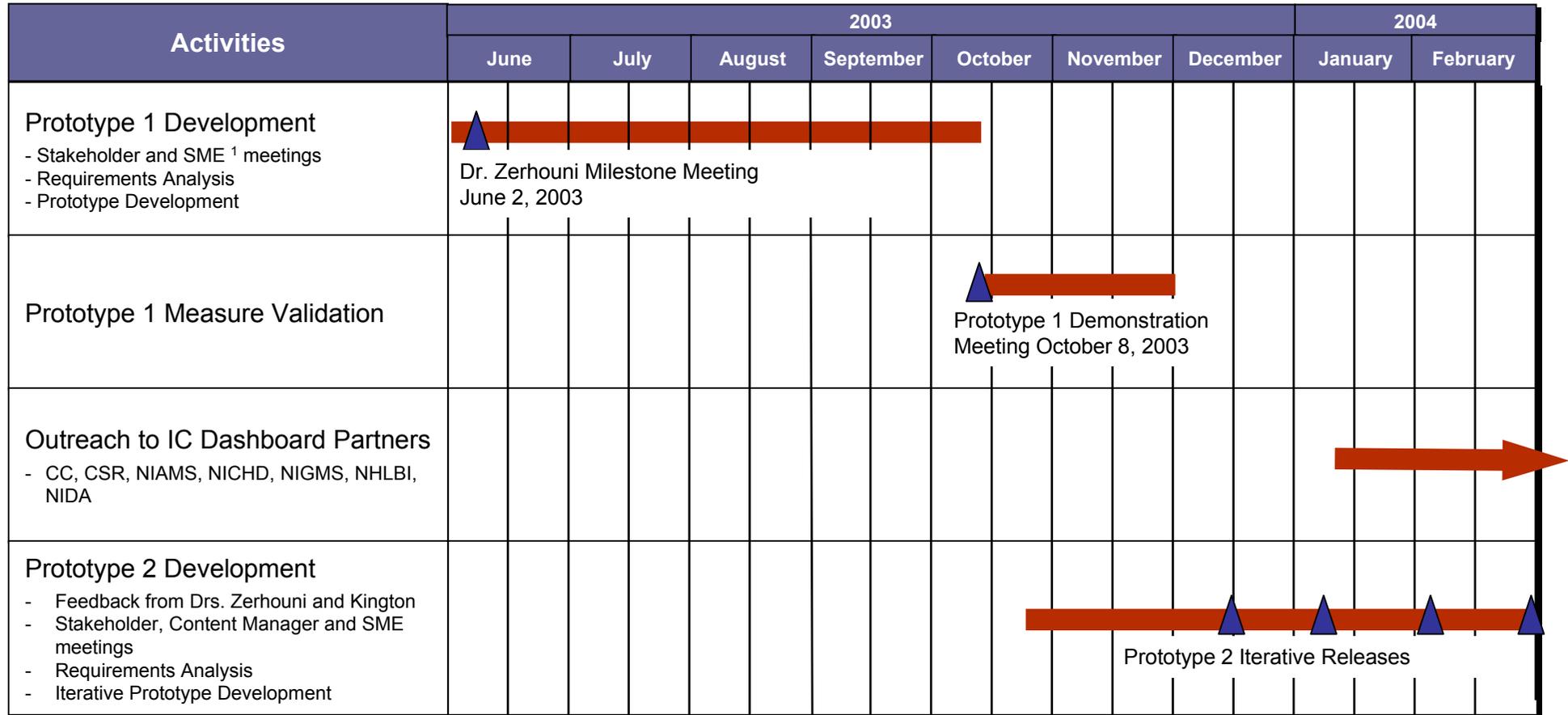
- ▶ Dr. Maurice Burg, Renal Cellular and Molecular Biology Section Chief
- ▶ Mr. Don Christoferson, Executive Officer
- ▶ Ms. Jeanette Duggan, Program Analyst
- ▶ Mr. Jack Filigenzi, Information Resources and Technology Program Director
- ▶ Ms. Nancy Poole, Program Operations Coordinator
- ▶ Dr. Carl Roth, Program Studies and Reports Program Director
- ▶ Dr. Carol Vreim, Deputy Director
- ▶ Dr. Henry Chang, Srg Leader
- ▶ Ms. Janet George, Senior Program Analyst
- ▶ Mr. Ralph Van Wey, Information Resources and Technology

CIT

- ▶ Mr. Al Graeff, NIH CIO
- ▶ Dr. Jack Jones, Deputy Director, CIT

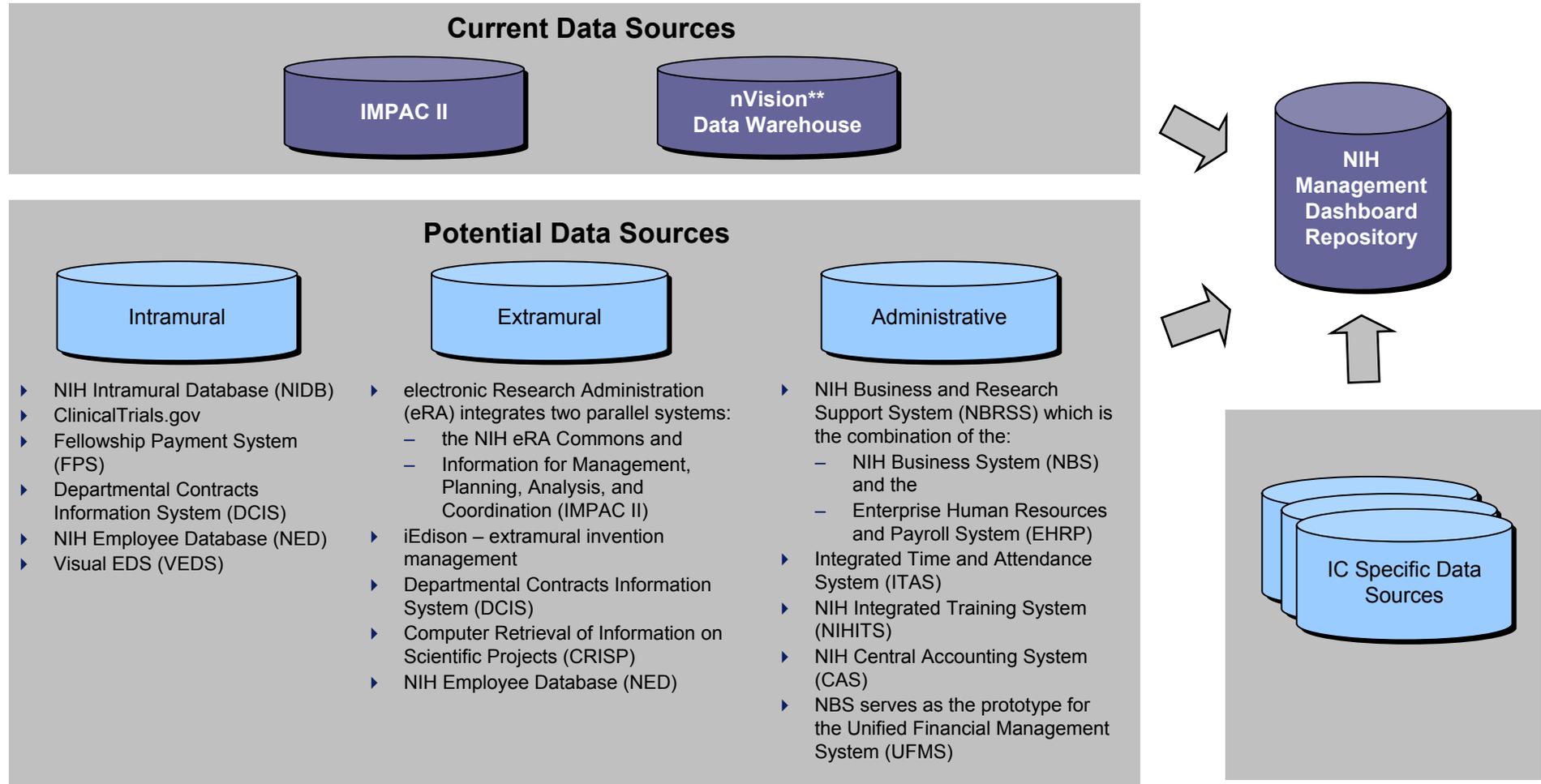
What is the NIH Management Dashboard Prototype timeline?

Preliminary NIH Management Dashboard Prototype Timeline



(1) Subject Matter Expert

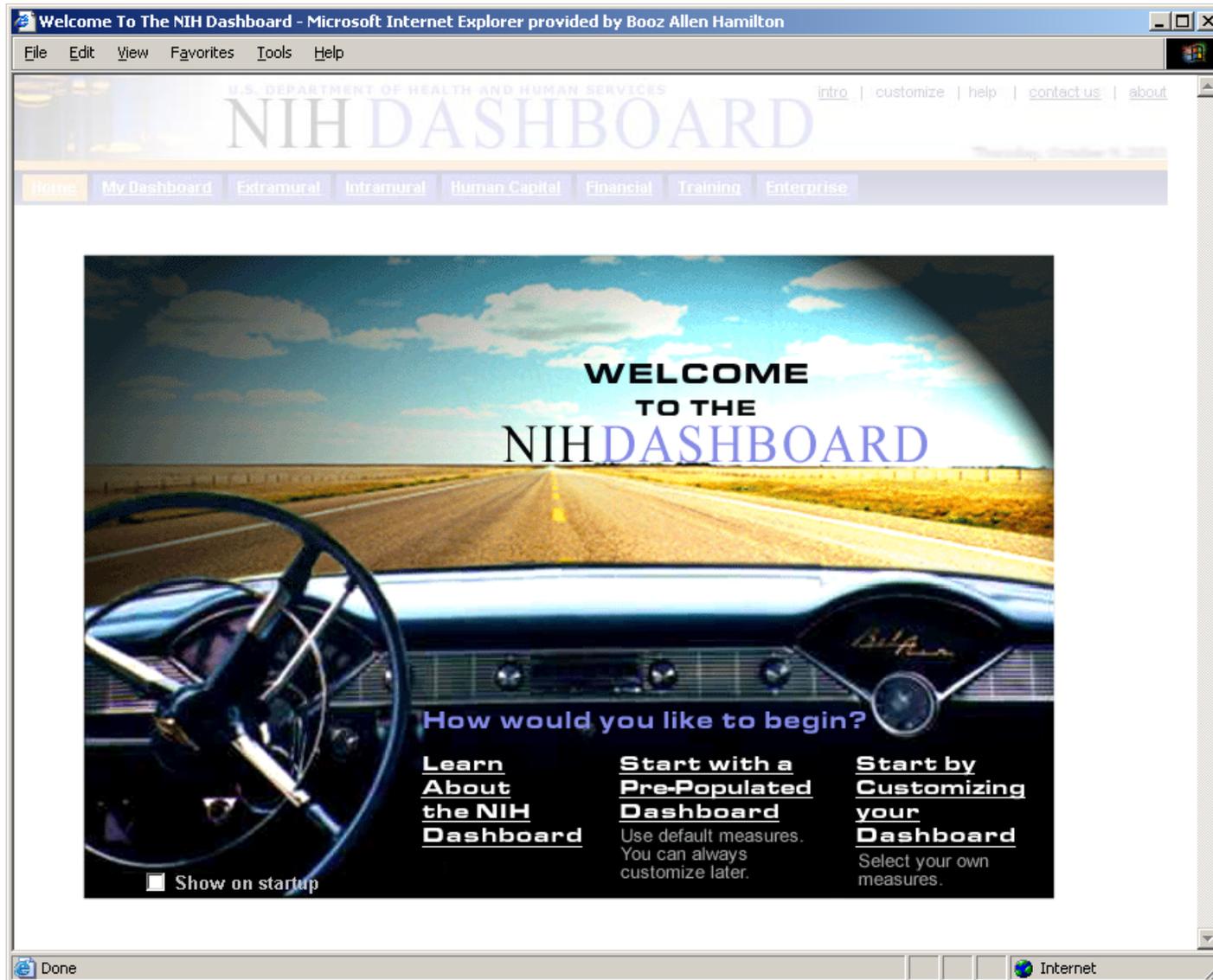
What are current and potential data sources?



Note: This is NOT a comprehensive database list. These are example data sources that may be used .

*** nVision is the next generation NIH Data Warehouse (DW) and the reporting system for the NBS*

What does the Prototype look like?



How is a measure displayed?

Main Extramural Screen

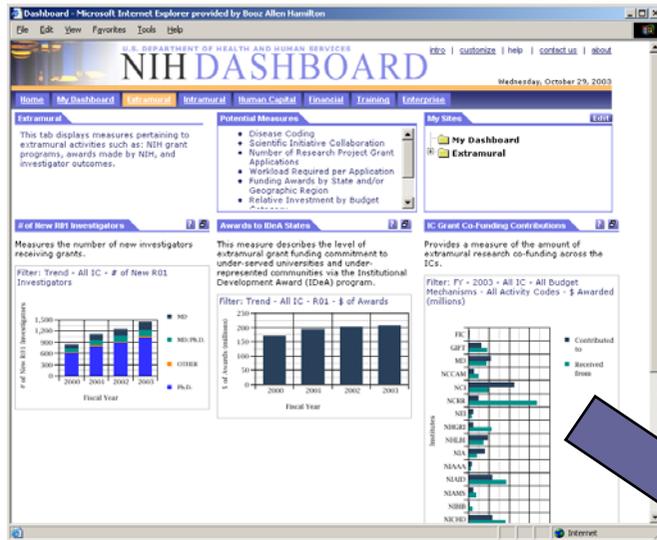


Chart Detail

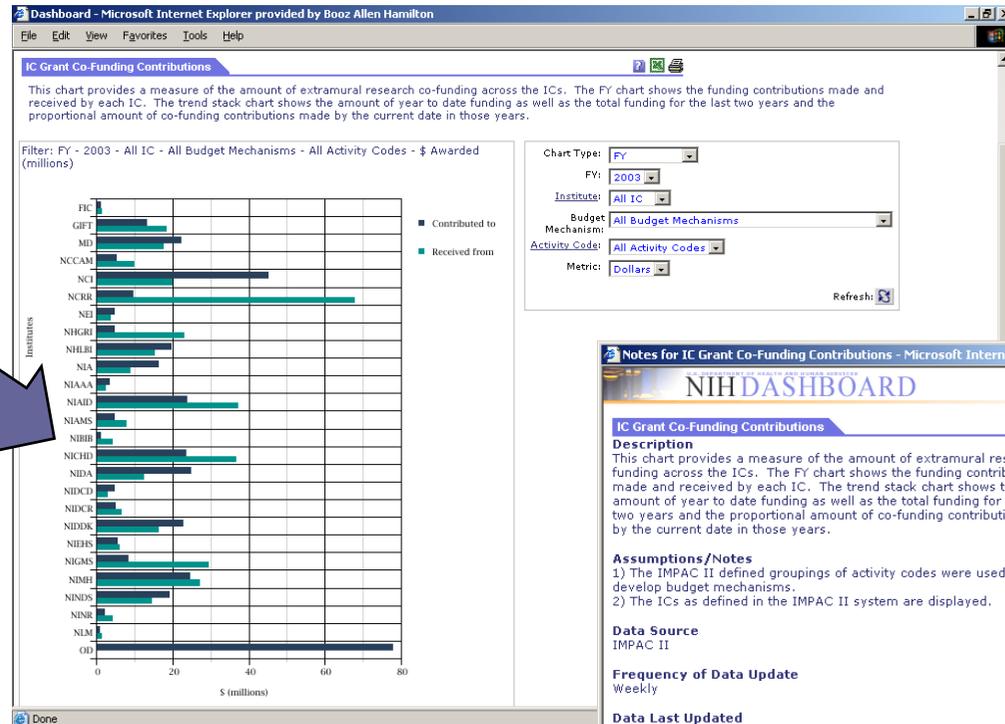


Chart Drilldown

IC Grant Co-Funding Contributions

Description
This chart provides a measure of the amount of extramural research co-funding across the ICs. The FY chart shows the funding contributions made and received by each IC. The trend stack chart shows the amount of year to date funding as well as the total funding for the last two years and the proportional amount of co-funding contributions made by the current date in those years.

Assumptions/Notes
1) The IMPAC II defined groupings of activity codes were used to develop budget mechanisms.
2) The ICs as defined in the IMPAC II system are displayed.

Data Source
IMPAC II

Frequency of Data Update
Weekly

Data Last Updated
Data is current as of 10/26/2003.

Content Manager
TBD

Documentation Last Updated
10/03/2003

Phase 2 Enhancements
1) Add the ability to filter by Competing/Non-Competing Grants
2) Add the ability to filter by Grant/Contract

Close Window

What attributes are desirable in a measure? *

- ▶ Mission Supporting
 - The measure supports the NIH Mission to uncover knowledge to prevent, detect, diagnose and treat disease and disability

- ▶ Cross NIH
 - The measure applies to most, if not all, ICs and does not focus on individual programs

- ▶ Active
 - The measure changes as the result of IC activities

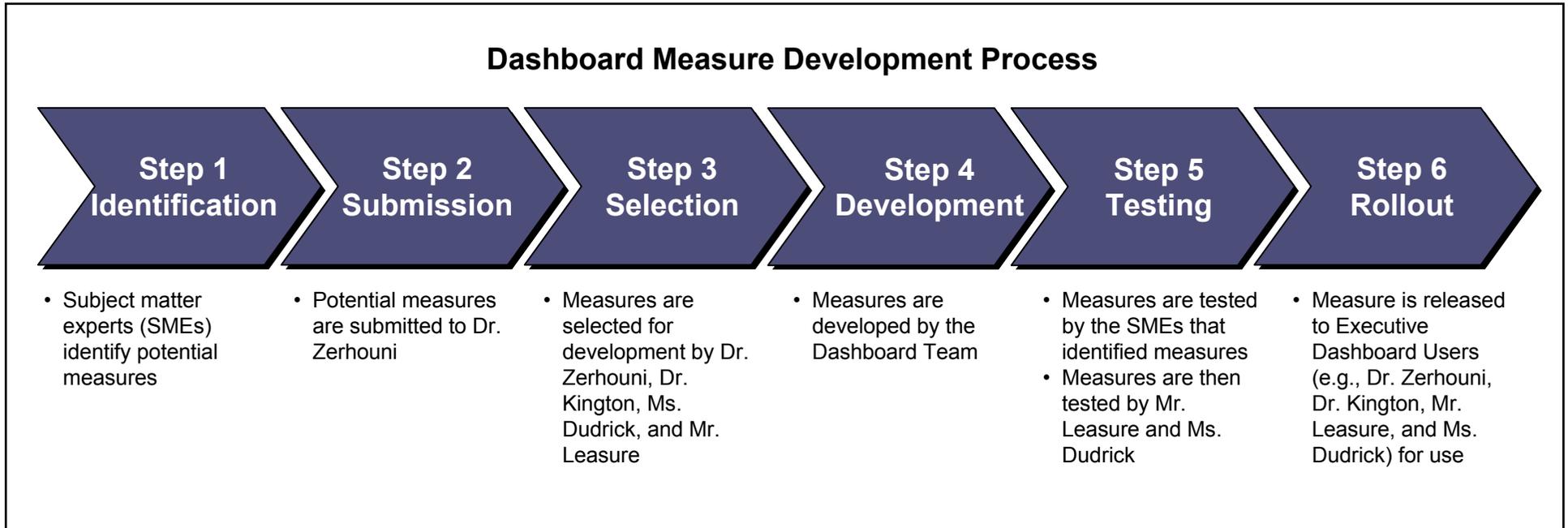
- ▶ Actionable
 - The measure allows managers to take action in response to the outcome

- ▶ Displays Trends
 - The measure allows for analysis of differences between ICs in order to identify best practices

- ▶ Quality Data
 - The measure draws from data sources that are structured and standardized

* Attributes identified by Dr. Zerhouni at June 2, 2003 meeting

What is the process for selecting Dashboard measures?



- ▶ A data call has been issued to subject matter experts; potential measures for the next submission cycle are due to the Dashboard Team on December 5th, 2003
- ▶ Development level of effort and cost will be estimated and the potential measures will be submitted to Dr. Zerhouni on December 12th, 2003

What information is needed to suggest a measure?

Potential Measure Template Field Descriptions

Measure Title	<ul style="list-style-type: none">▶ Select a name for the measure.
Description	<ul style="list-style-type: none">▶ Provide a brief description of the measure. If possible, also describe the reason(s) a user would benefit from this measure.
Potential Views	<ul style="list-style-type: none">▶ Describe the “look and feel” of the measure (e.g., pie chart, bar chart, trend chart, FY chart, etc.)
Assumptions / Notes	<ul style="list-style-type: none">▶ Please provide any assumptions, definitions or information a user would need to correctly interpret the measure. Include known data flaws, clarify terms, etc.
Data Source	<ul style="list-style-type: none">▶ If data exists, please indicate sources. If multiple sources exist, please indicate preferred source and provide an explanation. If possible, indicate the steps that would be required to get this data ready for the Dashboard.
Frequency of Data Update	<ul style="list-style-type: none">▶ Indicate how often the Dashboard Technical staff will need to refresh this data (e.g, daily, weekly, annually).
Content Manager	<ul style="list-style-type: none">▶ Please indicate a content subject matter expert who could validate and provide feedback on this measure, if created.



Preliminary Organization and Governance Structure

